

STATE OF ILLINOIS
BEFORE THE
ILLINOIS COMMERCE COMMISSION

Level 3 Communications, L.L.C.	:	
	:	
Petition for Arbitration Pursuant to Section	:	
252(b) of the Communications Act of 1934,	:	04-0428
as amended by the Telecommunications	:	
Act of 1996, and the Applicable State Laws	:	
for Rates, Terms, and Conditions of	:	
Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Curriculum Vitae)

Kenneth L. Wilson
Direct Prefiled Testimony
Level 3 Communications, LLC

CURRICULUM VITAE

Kenneth L. Wilson, Boulder Telecommunications Consultants, LLC., 970 11th Street,
Boulder, CO 80302. (303) 442-1296. email: ken.wilson@bouldertel.com

Current Position

1998-Present Senior Consultant, Boulder Telecommunications Consultants, LLC.

Past Positions

1995-1998 AT&T Technical Negotiations Director, Local Service Organization
Western Region – Technical leader of negotiations and witnessing team
responsible for all aspects of AT&T's contracts in 14 states with US WEST.
Led technical planning for local infrastructure and Operations Support Systems
“OSS” interfaces.

1994-1995 AT&T Bell Labs local infrastructure development and business analysis –
technical lead for team evaluating local infrastructure alternatives and OSS.

1992-1994 Bell Labs Technical Director Network Deployment and Asset
Management – key team leader on AT&T project to optimize network
infrastructure by changing engineering rules and OSS processes.

1988-1992 Bell Labs MTS Supervisor responsible for network design and OSS
performance of the FTS2000 network. Network performance planning for new
business customer features. Competitive testing and analysis of multiple
vendor networks.

1984-1987 Bell Labs MTS and MTS Supervisor, Cellular Telephone Development.
Responsible for systems requirements and systems testing of new cellular
telephones.

1980-1984 Bell Labs MTS responsible for 4ESS feature and architecture planning.

1977-1980 Software, hardware and manufacturing engineering in two small
companies.

1972-1977 Teaching Assistant, University of Illinois Department of Electrical
Engineering.

Education

ABD for Ph.D. in Electrical Engineering, University of Illinois, 1976

MS in Electrical Engineering, University of Illinois, 1974

BS in Electrical Engineering, Oklahoma State University, 1972

A. WRITTEN TESTIMONY, AFFIDAVITS AND REPORTS

Date	State	Docket	Filed By	Description
2/11/1998	IA	AIA-96-1	AT&T	Direct Testimony - Arbitration Remand - USWC
2/12/1998	OR	UT138	AT&T	Reply Testimony UM351 Compliance Tariffs - USWC
2/12/1998	OR	UT139	AT&T	Reply Testimony UM351 Compliance Tariffs - GTE
3/9/1998	IA	AIA-96-1	AT&T	Direct Answer Testimony - Arbitration Remand - USWC
3/13/1998	NM	96-411-TC	AT&T	Direct Testimony - Arbitration AT&T/USWC
3/23/1998	IA	AIA-96-1	AT&T	Rebuttal Testimony - Arbitration Remand - USWC
4/8/1998	CO	96S-331T	AT&T	Testimony - Arbitration - Cost Issues - USWC
5/26/1998	AZ	T-0000A-97-238	AT&T	Reply Testimony - Sect. 271 Telecom Act
6/16/1998	MT	D97.5.87	AT&T	Direct & Rebuttal Testimony - Sect. 271 Telecom Act
7/27/98	NM	97-106-TC	AT&T	Direct & Rebuttal Testimony - Interconnection - Sect. 271
7/27/1998	NM	97-106-TC	AT&T	Direct & Rebuttal Testimony - Signaling - Sect. 271
8/7/1998	NE	C-1830	AT&T	Direct & Rebuttal Testimony - Signaling - Sect. 271
8/7/1998	NE	C-1830	AT&T	Direct & Rebuttal Testimony - Interconnection - Sect. 271
9/8/1998	NM	97-106-TC	AT&T	Reply Testimony - Sect. 271 Telecom Act
9/8/1998	NM	97-106-TC	AT&T	Reply Testimony (prop version) - Sect. 271 Telecom Act
11/6/1998	MT	D97.5.87	AT&T	Supplemental Rebuttal Testimony - Sect. 271 Telecom Act
11/13/1998	WA	UT-960369 et al.	AT&T	Sup. Responsive Testimony Arbitration Cost Case
12/1/1998	WA	C97-1073Z	ELI	Expert Opinion - ELI complaint against US WEST for violation of the Sherman Act
2/1/99	WA	C97-1073Z	ELI	Expert Report - ELI complaint against US WEST for violation of the Sherman Act
10/22/99	CA	CA97-2015	CalTech	Expert Report – CalTech complaint against Pacific Tel for violation of the Sherman Act
12/99	CA	CA97-2015	CalTech	Supplement to Expert Report - CalTech complaint against Pacific Tel for violation of the Sherman Act
12/17/99	WA	UT-991292	AT&T	Direct and Rebuttal – Access complaint against US WEST
1/00	CA	CA97-2015	CalTech	Declaration - CalTech complaint against Pacific Tel for violation of the Sherman Act

1/00	AZ	USW application for Section 271 relief	AT&T	Comments on 271 Checklist items 3, 7, 8, 9, 10, 12, and 13
4/00	CO	USW application for Section 271 relief	AT&T	Comments on 271 Checklist items 3, 7, 8, 9, 10, 12, and 13
5/00	WA	USW application for Section 271 relief	AT&T	Testimony on 271 Checklist Items 3, 7, 8, 9, 10, 12, and 13
6/00	CO	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 3, 7, 8, 9, 10, 12, and 13
7/00	WA	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 3, 7, 8, 9, 10, 12, and 13
7/00	VA	Circuit Court, Fairfax County, Chancery # 166950	Hogan Hartson	Initial Expert Report in Trade Secret Case involving High Speed Access and Internet.
7/00	VA	Circuit Court, Fairfax County, Chancery # 166950	Hogan Hartson	Final Expert Report in Trade Secret Case involving High Speed Access and Internet. This report was not filed but was produced in discovery
8/00	CO	Section 271 PUC Workshop, checklist	AT&T	Affidavit on checklist items 1, 14
8/00	AZ	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 1, 14
9/00	AZ	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 1, 14
9/00	CO	Section 271 PUC Workshop, checklist items 1, 14 (follow-up)	AT&T	Affidavit on checklist items 1, 14
10/00	UT, IA, etc.	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 1, 11, 14
10/00	AZ	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 2, 5, 6
10/00	OR	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 1, 11, 14
11/00	CO	Section 271 PUC Workshop,	AT&T	Affidavit on emerging services checklist items (dark fiber, DSL, subloop unbundling)
11/00	WA	Section 271 PUC Workshop,	AT&T	Affidavit on checklist items 1, 11, 14
11/00	AZ	Section 271 PUC Workshop	AT&T	Affidavit on Unbundled loops and Number Portability
12/00	CO	Section 271 PUC Workshop	AT&T	Affidavit on Packet Switching, Line Sharing, DSL, Dark Fiber and SubLoop Unbundling

12/00	WA	Antitrust Case against US WEST	Metronet	Plaintiffs Report on Telecommunications issues
01/01	CO	Section 271 PUC Workshop	AT&T	Affidavit on Unbundled Switching, Unbundled Transport, Combinations, UNE-P and general UNE issues
02/01	UT, IA, etc.	Section 271 PUC Workshop	AT&T	Affidavit on Unbundled Switching, Unbundled Transport, Combinations, UNE-P and general UNE issues
02/01	WA	Section 271 PUC Workshop	AT&T	Affidavit on Unbundled Switching, Unbundled Transport, Combinations, UNE-P and general UNE issues
03/01	OR	Section 271 PUC Workshop	AT&T	Affidavit on Unbundled Switching, Unbundled Transport, Combinations, UNE-P and general UNE issues
03/01	WA	Antitrust Case against US WEST	Metronet	Declaration in Support of Opposition to US WEST Motion for Summary Judgement
03/01	UT, IA, etc.	Section 271 PUC Workshop	AT&T	Comments on Unbundled Loops, Line Splitting and Network Interface Devices
03/01	CO	Section 271 PUC Workshop	AT&T	Comments on Unbundled Loops, Line Splitting and Network Interface Devices
03/01	AZ	Section 271 PUC Workshop	AT&T	Comments on Unbundled Loops, Line Splitting and Network Interface Devices
04/01	DC	Class Action, DC Superior Court, 01CA000405	Cohen, Milstein	Affidavit for Plaintiff on technical issues in DSL case against Verizon, in response to motion to dismiss.
05/01	WA	Section 271 PUC Workshop	AT&T	Comments on Unbundled Loops, Emerging Services, Subloop Unbundling
05/01	OR	Section 271 PUC Workshop	AT&T	Comments on Unbundled Loops, Emerging Services, Subloop Unbundling
05/01	GA	Section 271 PUC Hearing	AT&T	Affidavit on Interconnection Trunking and Local Number Portability
05/01	LA	Section 271 PUC Hearing	AT&T	Affidavit on Interconnection Trunking and Local Number Portability
06/01	KY	Section 271 PUC Hearing	AT&T	Affidavit on Interconnection Trunking and Local Number Portability
07/01	AL	Section 271 PUC Hearing	AT&T	Testimony on Interconnection Trunking and Local Number Portability
08/01	CO	Civil Action 01-S-0025	City of Louisville	Defendant's Report on Technical Issues. Involving placement of Microwave Towers
10/01	AZ	Affidavit in Docket T-00000A-97-0238	AT&T	Affidavit regarding the redesignation of Interoffice Facilities (IOF) as loop facilities
12/01	AZ	Section 271 PUC Workshop	AT&T	Comments on Qwest's Stand Alone Test Environment OSS interface simulator
01/02	MN	Section 271 PUC Hearing	AT&T	Affidavit on Non-OSS Checklist items. Docket MPUC P-421/CI-01-0370

01/02	AZ	Section 271 PUC	AT&T	Comments on SATE Summary Evaluation Report Version 3. Docket T-00000A-97-0238
01/02	OR	UM 1038	AT&T and Worldcom	Testimony regarding Commission policy of posting quality reports to its website
02/02	MN	Section 271 PUC Hearing	AT&T	Surrebuttal Affidavit on Non-OSS Checklist items. Docket MPUC P-421/CI-01-0370
02/02	AZ	Section 271 PUC	AT&T	Affidavit Supporting Motion to Reopen Checklist Item 7. Docket T-00000A-97-0238
03/02	AZ	Section 271 PCU	AT&T	Second Affidavit Supporting Motion to Reopen Checklist Item 7. Docket T-00000A-97-0238
03/02	SD	Section 271	AT&T	Affidavit on Checklist Item 4 – Unbundled Loops and Checklist Item 11 LNP. Docket TC 01-165
03/02	SD	Section 271	AT&T	Affidavit on Checklist Item 3 – Rights-of-Way and Checklist item 7 911/E911. Docket TC 01-165
03/02	SD	Section 271	AT&T	Affidavit on Checklist Item 13 – Reciprocal Compensation. Docket TC 01-165
03/02	SD	Section 271	AT&T	Affidavit on Checklist Item 1 and 14 – Interconnection, Collocation and Resale. Docket TC 01-165
03/02	SD	Section 271	AT&T	Affidavit on Issues Regarding Emerging Services. Docket TC 01-165
04/02	WY	Section 271	Contact Communications	Testimony on Issues Regarding Interconnection, Collocation, Loops, Subloops and Emerging services
04/02	OR	UM 1038	AT&T and Worldcom	Rebuttal testimony regarding Commission policy of posting quality reports to its website
06/02	MN	Section 271 PUC Hearing	AT&T	Affidavit on Loops and Number Portability. Docket MPUC P-421/CI-01-0370
06/02	MN	Section 271 PUC Hearing	AT&T	Affidavit on Interconnection, collocation and resale. Docket MPUC P-421/CI-01-0370
06/02	MN	Section 271 PUC Hearing	AT&T	Affidavit on Reciprocal compensation. Docket MPUC P-421/CI-01-0370
06/02	MN	Section 271 PUC Hearing	AT&T	Affidavit on UNEs, Switching and Transport. Docket MPUC P-421/CI-01-0370
06/02	MN	Section 271 PUC Hearing	AT&T	Affidavit on Emerging Services. Docket MPUC P-421/CI-01-0370
07/02	FCC	Qwest 271 Filing	AT&T	Declaration on Checklist items in Qwest I filing for CO, ID, IA, NE and ND
08/02	FCC	Qwest 271 Filing	AT&T	Declaration on Checklist Items in Qwest II filing for MT, UT, WA, WY
08/02	MN	Section 271 PUC Hearing	AT&T	Surrebuttal Affidavit on Loops and Number Portability. Docket MPUC P-421/CI-01-0370

08/02	MN	Section 271 PUC Hearing	AT&T	Surrebuttal Affidavit on Interconnection, collocation and resale. Docket MPUC P-421/CI-01-0370
08/02	MN	Section 271 PUC Hearing	AT&T	Surrebuttal Affidavit on Reciprocal compensation. Docket MPUC P-421/CI-01-0370
08/02	MN	Section 271 PUC Hearing	AT&T	Surrebuttal Affidavit on UNEs, Switching and Transport. Docket MPUC P-421/CI-01-0370
08/02	MN	Section 271 PUC Hearing	AT&T	Surrebuttal Affidavit on Emerging Services. Docket MPUC P-421/CI-01-0370
09/02	FCC	Qwest 271 Filing	AT&T	Ex Parte Declaration on the discriminatory impact of Qwest's secret deals with CLECs WC Docket No. 02-148
10/02	FCC	Qwest 271 Filing	AT&T	Declaration on Qwest's Unfiled Agreements with CLECs WC Docket No. 02-314
10/02	FCC	Qwest 271 Filing	AT&T	Joint Declaration of John F. Finnegan, Timothy M. Connolly, and Kenneth L. Wilson. On Qwest's OSS. WC Docket No. 02-314
11/02	FCC	Qwest 271 Filing	AT&T	Declaration on access to Mechanized Loop Test (MLT) and loop qualification issues. WC Docket No. 02-314
11/02	FCC	Qwest 271 Filing	AT&T	Supplemental Declaration on Qwest's Unfiled Agreements. WC Docket No. 02-314
12/02	FCC	Qwest 271 Filing	AT&T	Supplemental MLT and loop qualification Declaration. WC Docket No. 02-314
2/03	FCC	Qwest 271 Filing	AT&T	Declaration on checklist item issues. WC Docket No. 03-11.
2/03	NY State	Student Guide	NY State	Course on "Emerging Technologies and Convergence in the Telecommunications Network
4/03	CA	Expert Report	Albert Stein, on behalf of	Class Action Suit against Pacific Bell regarding problems provisioning DSL service to DLECs in California
4/03	WY	Expert Report	Contact Communications	Arbitration between Contact Communications and Qwest regarding reciprocal compensation for ISP traffic.
10/03	CO	Direct Testimony	Micro Tech-Tel	Testimony in support of MicroTech-Tel's Triennial Review 90 Day case regarding Enterprise Switching
3/04	CO	Expert Report	Pinnacle Properties	Dispute over Right of Way for telecommunications and power
5/04	MI	Prefiled Testimony	Level 3	Network Testimony in Arbitration Case
5/04	CA	Prefiled Testimony	Level 3	Network Testimony in Arbitration Case
6/04	IN	Prefiled Testimony	Level 3	Network Testimony in Arbitration Case

6/04	IL	Prefiled Testimony	Level 3	Network Testimony in Arbitration Case
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B. LIVE TESTIMONY AND DEPOSITIONS

Date	State	Case
2/97	Arizona	Arbitration Hearings between AT&T and U S WEST, representing AT&T.
6/97-12/97	Arizona	Arbitration Hearings between AT&T and U S WEST, representing AT&T. Total of approximately 15 days.
10/17/97	Iowa	Second Motion to compel U S WEST to perform under AT&T Interconnection Agreement, representing AT&T.
4/98	Colorado	96S-331T U S WEST Arbitration Cost Case, representing AT&T.
3/98	NM	96-441-TC U S WEST Arbitration Hearing, representing AT&T.
2/98	OR	UM 351 U S WEST Compliance Tariffs, representing AT&T
3/98	IA	Arbitration Remand between AT&T and U S WEST, representing AT&T.
11/98	WA	UT 960369 U S WEST Arbitration cost case, representing AT&T.
12/98	WA	Deposition – ELI Complaint under the Sherman Act against U S WEST
2/99	WA	Hearing – ELI Complaint under the Sherman Act against U S WEST
12/99	CA	Deposition – CalTech Complaint under the Sherman Act against Pacific Bell
12/99	CO	Hearing – AT&T Complaint against U S WEST for Access Service Quality
1/00	MN	Deposition – AT&T Complaint against U S WEST for Access Service Quality in Minnesota
2/00	WA	Hearing – AT&T Complaint against U S WEST for Access Service Quality
1/00	AZ	Section 271 Workshop, representing AT&T on checklist items 3, 7, 8, 9, 10, 12, and 13
2/00	MN	Hearing – AT&T Complaint against U S WEST for Access Service Quality
3/00	AZ	Section 271 PUC Workshop, representing AT&T on checklist items 3, 7, 8, 9, 10, 12, and 13
6/00	CO	Section 271 PUC Workshop, representing AT&T on checklist items 3, 7, 8, 9, 10, 12, and 13
6/00	WA	Section 271 PUC Workshop, representing AT&T on

		checklist items 3, 7, 8, 9, 10, 12, and 13
6/00	CO	Section 271 PUC Workshop, representing AT&T on checklist items 3, 7, 8, 9, 10, 12, and 13 (follow-up)
7/00	WA	Section 271 PUC Workshop, representing AT&T on checklist items 3, 7, 8, 9, 10, 12, and 13 (follow-up)
8/00	CO	Section 271 PUC Workshop, representing AT&T on checklist items 1, 14
8/00	AZ	Section 271 PUC Workshop, representing AT&T on checklist items 1, 14
9/00	AZ	Section 271 PUC Workshop, representing AT&T on checklist items 1, 14 (follow-up)
9/00	CO	Section 271 PUC Workshop, representing AT&T on checklist items 1, 14 (follow-up)
10/00	UT, IA, etc.	Section 271 PUC Workshop, representing AT&T on checklist items 1, 11, 14 (6 State consolidated proceeding)
10/00	AZ	Section 271 PUC Workshop, representing AT&T on checklist items 2, 5, 6
10/00	OR	Section 271 PUC Workshop, representing AT&T on checklist items 1, 11, 14
11/00	CO	Section 271 PUC Workshop, representing AT&T on emerging services checklist items (dark fiber, DSL, subloop unbundling)
11/00	WA	Section 271 PUC Workshop, representing AT&T on checklist items 1, 11, 14
11/00	CA	Antitrust trial CalTech vs. Pacific Bell in Federal Court.
11/00	WA	Section 271 PUC Workshop, representing AT&T on checklist items 1, 11, 14 -
12/00	CO	Section 271 PUC Workshop, representing AT&T on checklist items for Dark Fiber, DSL, Packet Switching and Subloop Unbundling
12/00	UT, IA, etc.	Section 271 PUC Workshop, representing AT&T on checklist items for Interconnection and Collocation (7 State consolidated proceeding)
01/01	WA	Section 271 PUC Workshop, representing AT&T on checklist items for Interconnection and Collocation
01/01	UT, IA, etc.	Section 271 PUC Workshop, representing AT&T on checklist items for Collocation, Dark Fiber, DSL, Packet Switching (7 State consolidated proceeding)
01/01	CO	Section 271 PUC Workshop, representing AT&T on checklist items for Interconnection and Collocation
01/01	AZ	Section 271 PUC Workshop, representing AT&T on checklist items for Dark Fiber, DSL, Packet Switching and Subloop Unbundling
02/01	OR	Section 271 PUC Workshop, representing AT&T on checklist items for Interconnection and Collocation
02/01	AZ	Section 271 PUC Workshop, representing AT&T on

		checklist items for Interconnection and Collocation
02/01	CO	Section 271 PUC Workshop, representing AT&T on checklist items for Unbundled Platform, UNE Switching, Transport and Combinations
02/01	UT, IA, etc.	Section 271 PUC Workshop, representing AT&T on checklist items for DSL, Packet Switching and Subloop elements (7 State consolidated proceeding)
03/01	AZ	Section 271 PUC Workshop, representing AT&T on checklist items for UNE Loops, Line Splitting and Number Portability
03/01	WA	Section 271 PUC Workshop, representing AT&T on checklist items for Unbundled Platform, UNE Switching, Transport and Combinations
03/01	CO	Section 271 PUC Workshop, representing AT&T on checklist items for Unbundled Platform, UNE Switching, Transport and Combinations
03/01	UT, IA, etc.	Section 271 PUC Workshop, representing AT&T on checklist items for Unbundled Platform, UNE Switching, Transport and Combinations (7 State consolidated proceeding)
04/01	AZ	Section 271 PUC Workshop, representing AT&T on checklist items for Unbundled Platform, UNE Switching, Transport and Combinations
04/01	CO	Section 271 PUC Workshop, representing AT&T on checklist items for Loops, Number Portability and Line Splitting.
04/01	WA	Section 271 PUC Workshop, representing AT&T on checklist items for Unbundled Platform, UNE Switching, Transport and Combinations
04/01	UT, IA, etc.	Section 271 PUC Workshop, representing AT&T on checklist items for Loops and Line Splitting. (7 State consolidated proceeding)
05/01	OR	Section 271 PUC Workshop, representing AT&T on checklist items for Unbundled Platform, UNE Switching, Transport and Combinations
05/01	AZ	Section 271 PUC Workshop, representing AT&T on checklist items for Loops, Number Portability and Line Splitting.
05/01	CO	Section 271 PUC Workshop, representing AT&T on checklist items for Loops, Number Portability and Line Splitting.
06/01	AL	Section 271 Hearing, representing AT&T on checklist items for Interconnection Trunks and Number Portability
07/01	WA	Section 271 PUC Workshop, representing AT&T on checklist items for Loops, DSL, Subloop and Line Splitting.
07/01	OR	Section 271 PUC Workshop, representing AT&T on

		checklist items for Loops, DSL, Subloop and Line Splitting.
07/01	WA	Section 271 PUC Workshop, representing AT&T on checklist items for Loops, DSL, Subloop and Line Splitting.
12/01	AZ	Section 271 PUC Workshop, representing AT&T in the evaluation of Qwest's OSS test environment.
01/02	AZ	Section 271 PUC Workshop, representing AT&T in the evaluation of Qwest's OSS test environment.
03/02	MN	Section 271 Hearing on Non-OSS Checklist items, representing AT&T in the evaluation of Qwest's compliance
04/02	AZ	Section 271 PUC Workshop, representing AT&T in the evaluation of Qwest's OSS test environment
05/02	WY	Section 271 PUC Hearing, representing Contact Communications on various interconnection issues
06/02	CO, IA, ID, NE, ND	Ex Parte presentation with AT&T to DOJ regarding Qwest compliance with 271 checklist items, OSS, and performance
06/02	CO, IA, ID, NE, ND	Ex Parte presentation with AT&T to FCC regarding Qwest compliance with 271 checklist items, OSS, and performance
07/02	MT, UT, WA, WY	Ex Parte presentation with AT&T to DOJ regarding Qwest compliance with 271 checklist items, OSS, and performance
07/02	MT, UT, WA, WY	Ex Parte presentation with AT&T to FCC regarding Qwest compliance with 271 checklist items, OSS, and performance
09/02	MN	Section 271 PUC Hearing, testifying for AT&T on issues of interconnection, resale and unbundled network elements.
02/03	NY	Course on "Emerging Technologies and Convergence in the Telecommunications Network" given to the New York Department of Public Service
5/03	CA	Deposition in Class Action Suit representing plaintiff Albert Stein in his case against Pacific Bell.
6/03	WY	Deposition in Arbitration Case, representing Contact Communications in their suit against Qwest.
7/03	WY	Testimony in Arbitration Case, representing Contact Communications in their suit against Qwest.

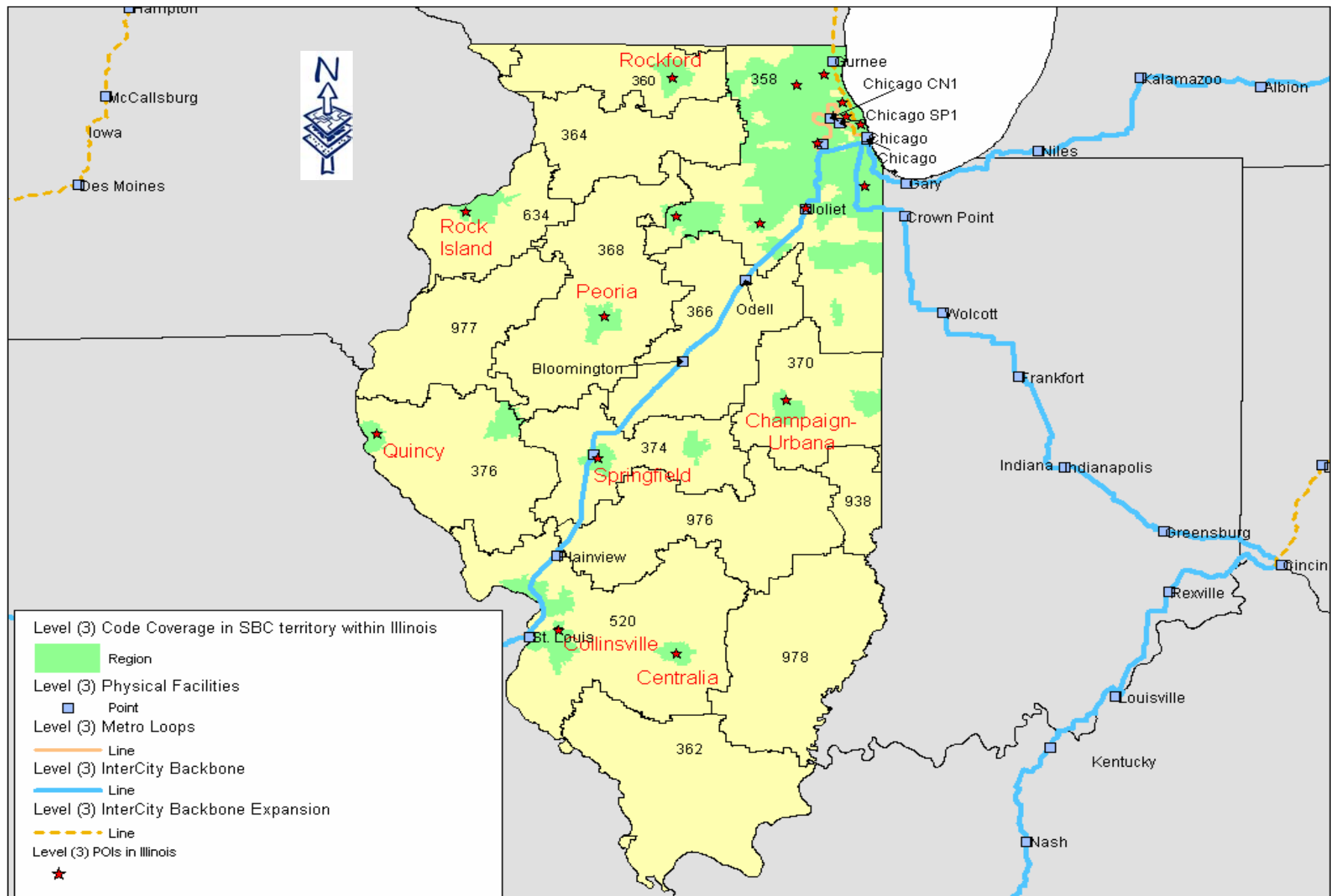
STATE OF ILLINOIS
BEFORE THE
ILLINOIS COMMERCE COMMISSION

Level 3 Communications, L.L.C.	:	
	:	
Petition for Arbitration Pursuant to Section	:	
252(b) of the Communications Act of 1934,	:	04-0428
as amended by the Telecommunications	:	
Act of 1996, and the Applicable State Laws	:	
for Rates, Terms, and Conditions of	:	
Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 1. LEVEL 3 STATE NETWORK)

Kenneth L. Wilson
Direct Prefiled Testimony
Level 3 Communications, LLC

Figure 1. LEVEL 3 STATE NETWORK



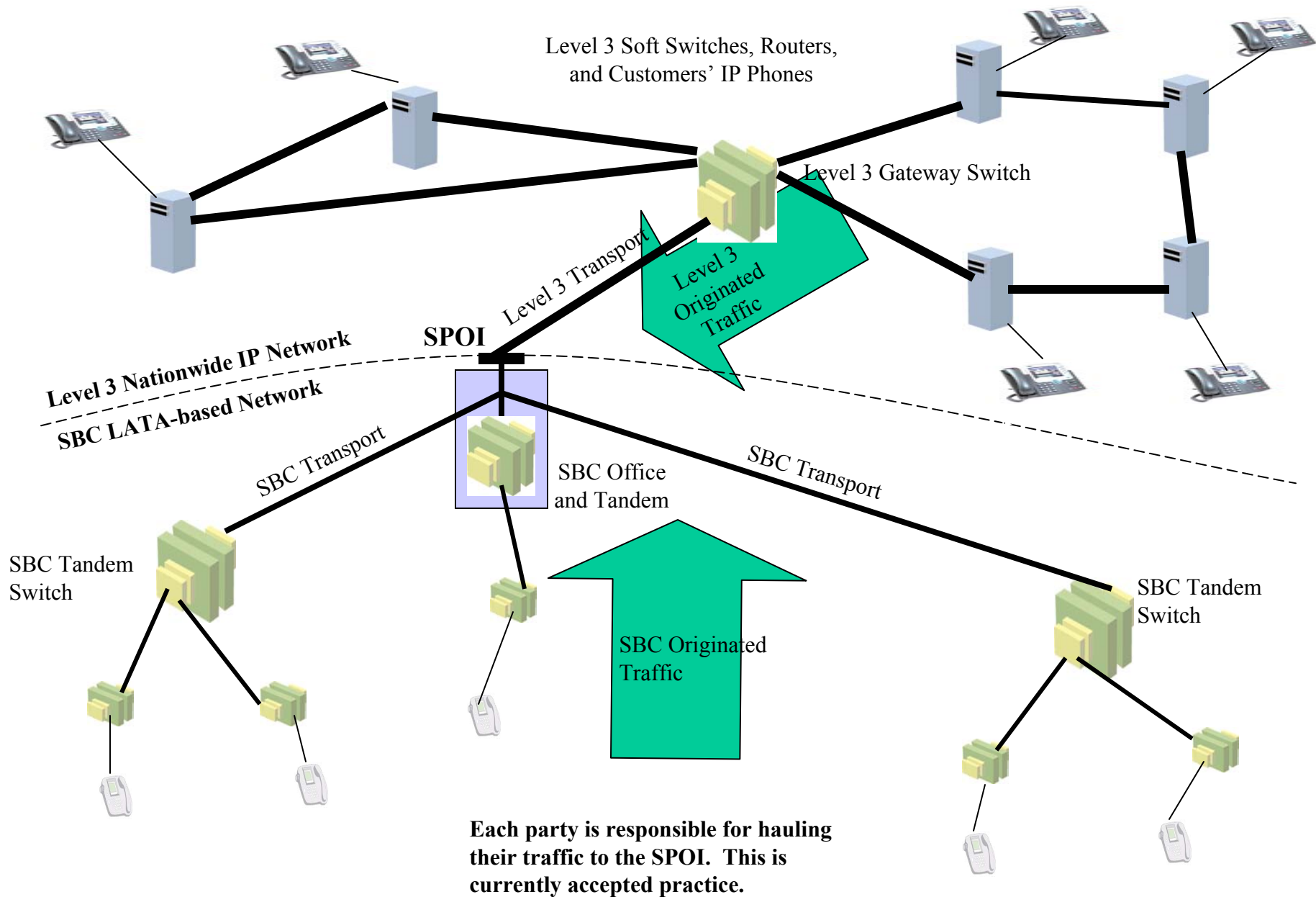
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Act of 1996, and the Applicable State Laws	:	
for Rates, Terms, and Conditions of	:	
Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 2 SPOI CONFIGURATION)

Kenneth L. Wilson
Direct Prefiled Testimony
Level 3 Communications, LLC

Figure 2 SPOI CONFIGURATION



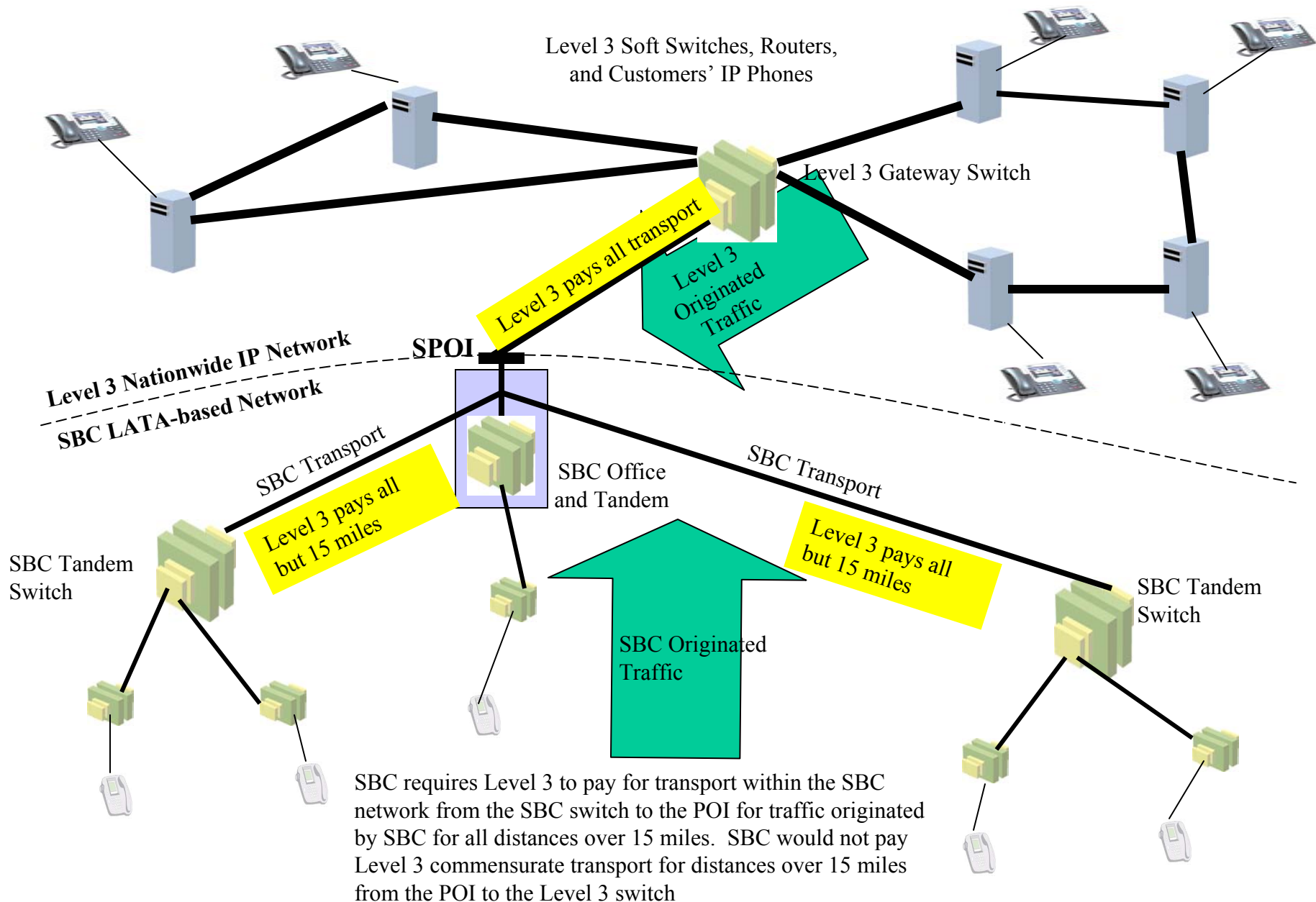
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Act of 1996, and the Applicable State Laws	:	
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Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 3 SPOI CONFIGURATION – SBC PROPOSAL)

Kenneth L. Wilson
Direct Prefiled Testimony
Level 3 Communications, LLC

Figure 3 SPOI CONFIGURATION – SBC PROPOSAL



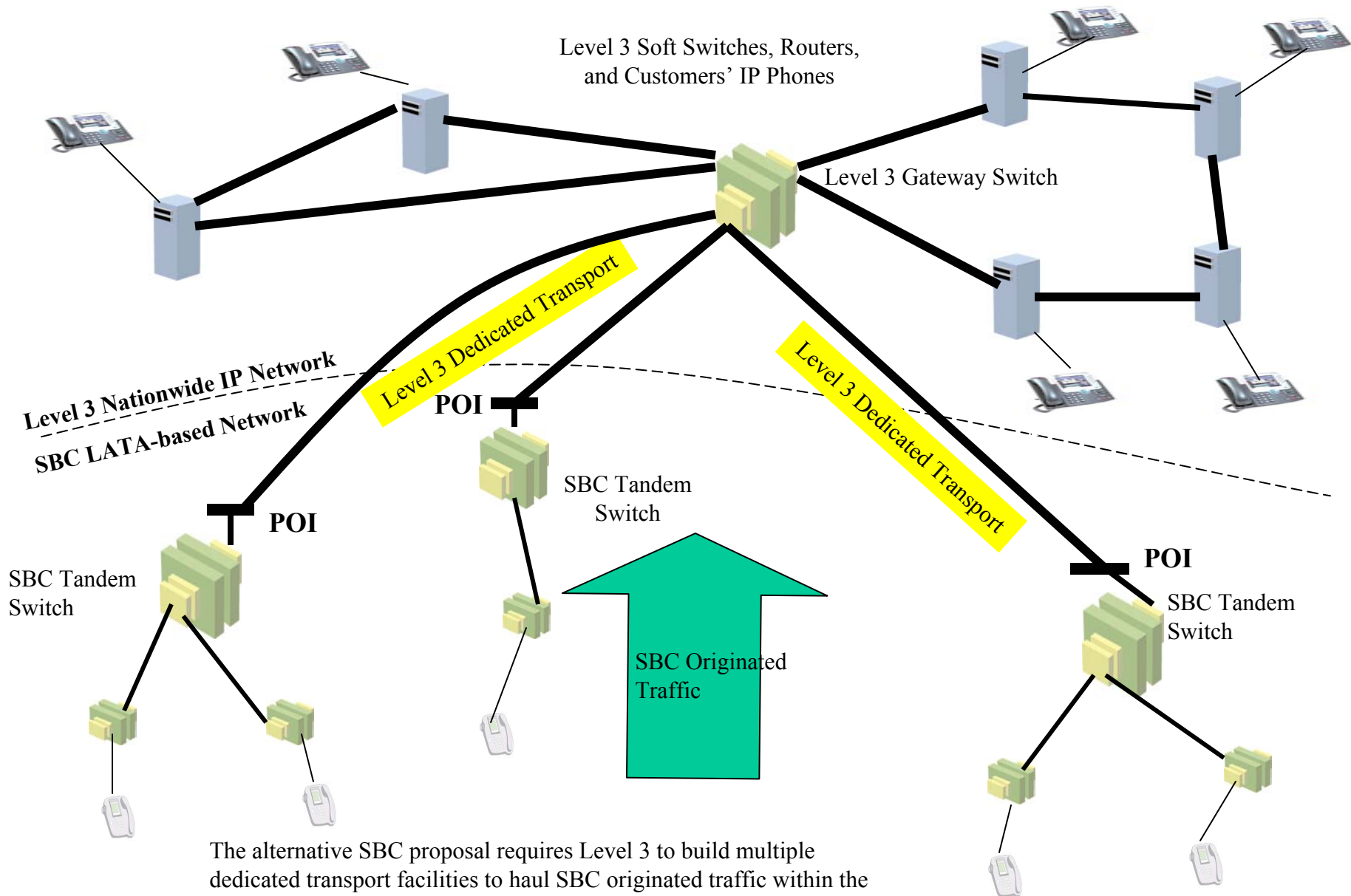
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Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 4 MULTIPLE POI CONFIGURATION)

Kenneth L. Wilson
Direct Prefiled Testimony
Level 3 Communications, LLC

Figure 4 MULTIPLE POI CONFIGURATION



The alternative SBC proposal requires Level 3 to build multiple dedicated transport facilities to haul SBC originated traffic within the SBC network as well as building multiple POIs

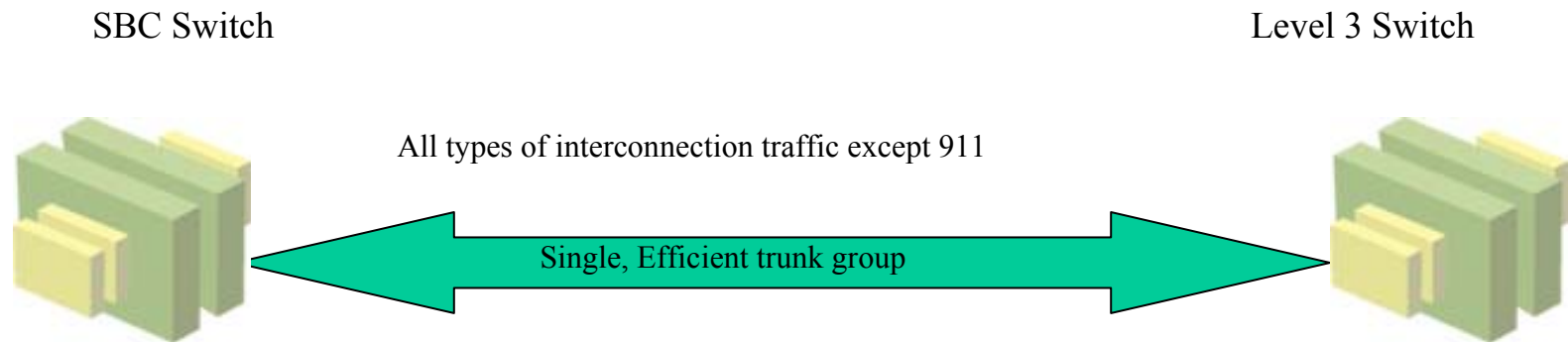
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as amended by the Telecommunications	:	
Act of 1996, and the Applicable State Laws	:	
for Rates, Terms, and Conditions of	:	
Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 5. COMBINING TRAFFIC ON A SINGLE TRUNK GROUP)

Kenneth L. Wilson
Direct Prefiled Testimony
Level 3 Communications, LLC

Figure 5. COMBINING TRAFFIC ON A SINGLE TRUNK GROUP



A single trunk group with combined traffic is much more efficient, requiring fewer facilities, fewer trunk ports and less equipment

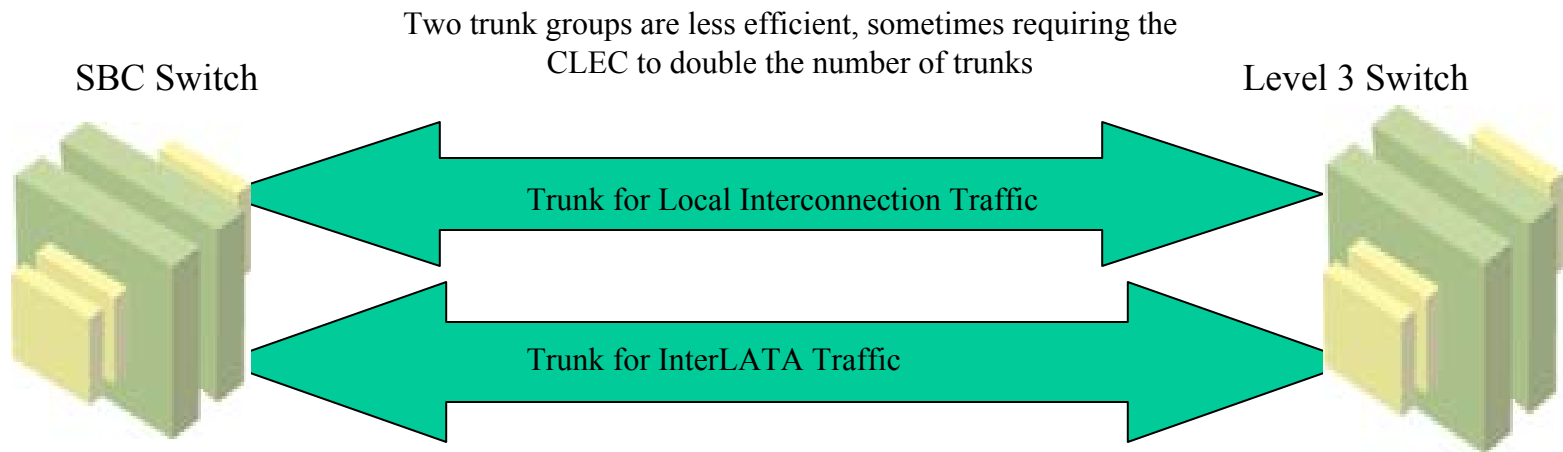
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Level 3 Communications, L.L.C.	:	
	:	
Petition for Arbitration Pursuant to Section	:	
252(b) of the Communications Act of 1934,	:	04-0428
as amended by the Telecommunications	:	
Act of 1996, and the Applicable State Laws	:	
for Rates, Terms, and Conditions of	:	
Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 6. SBC REQUIRES SEPARATE TRUNK GROUPS)

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Figure 6. SBC REQUIRES SEPARATE TRUNK GROUPS



Two trunk groups do the work of one efficient trunk group. This requirement forces the CLEC to build two separate networks. This requires additional trunk terminations for SBC as well. SBC may actually require additional trunk groups for Transit Traffic and IP Traffic.

STATE OF ILLINOIS
BEFORE THE
ILLINOIS COMMERCE COMMISSION

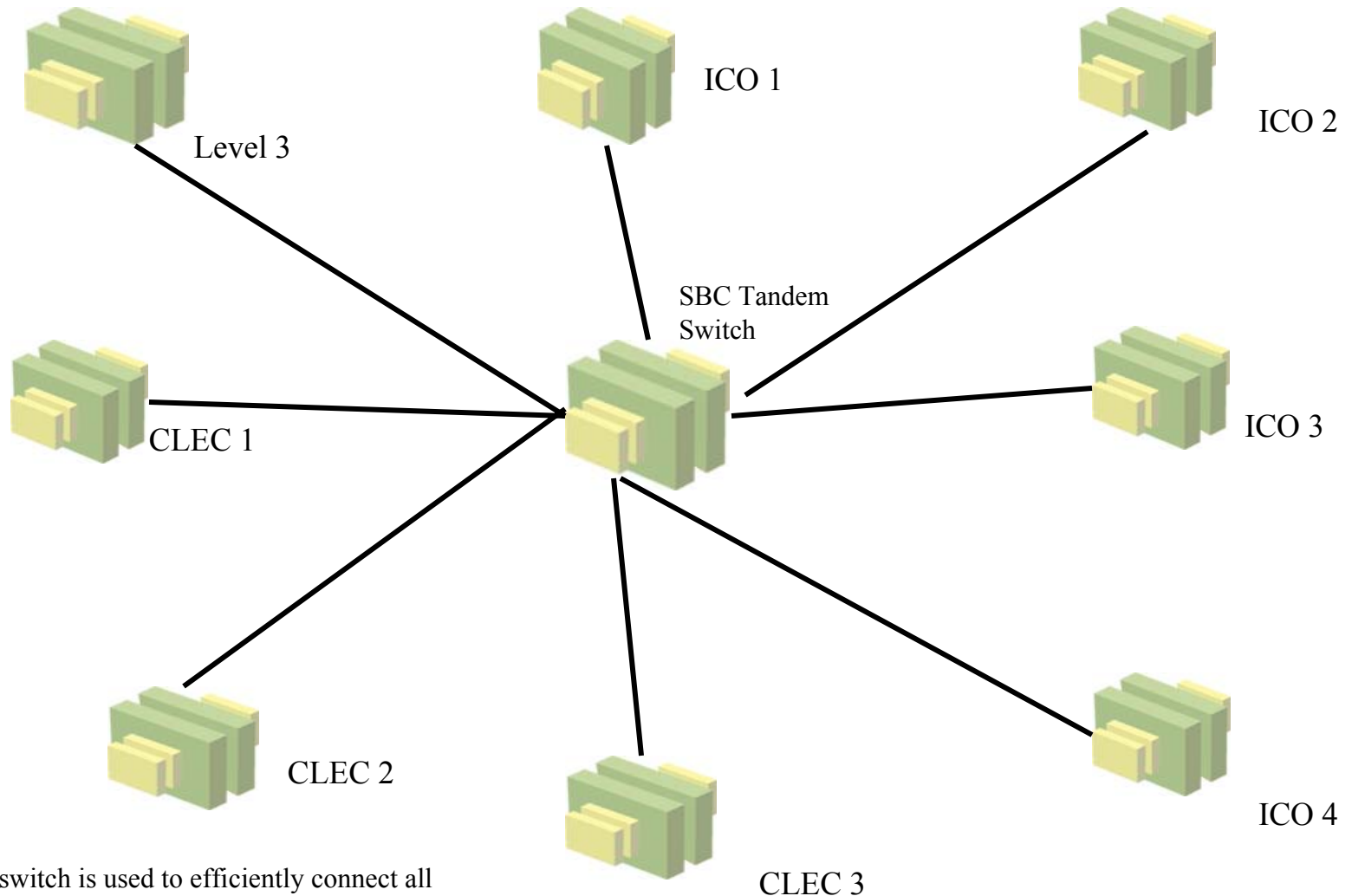
Level 3 Communications, L.L.C.	:	
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Petition for Arbitration Pursuant to Section	:	
252(b) of the Communications Act of 1934,	:	04-0428
as amended by the Telecommunications	:	
Act of 1996, and the Applicable State Laws	:	
for Rates, Terms, and Conditions of	:	
Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 7. CURRENT TRANSIT CONFIGURATION)

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Figure 7. CURRENT TRANSIT CONFIGURATION

(Single LATA)



SBC tandem switch is used to efficiently connect all local carriers. SBC is compensated for the cost of transiting traffic.

STATE OF ILLINOIS
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ILLINOIS COMMERCE COMMISSION

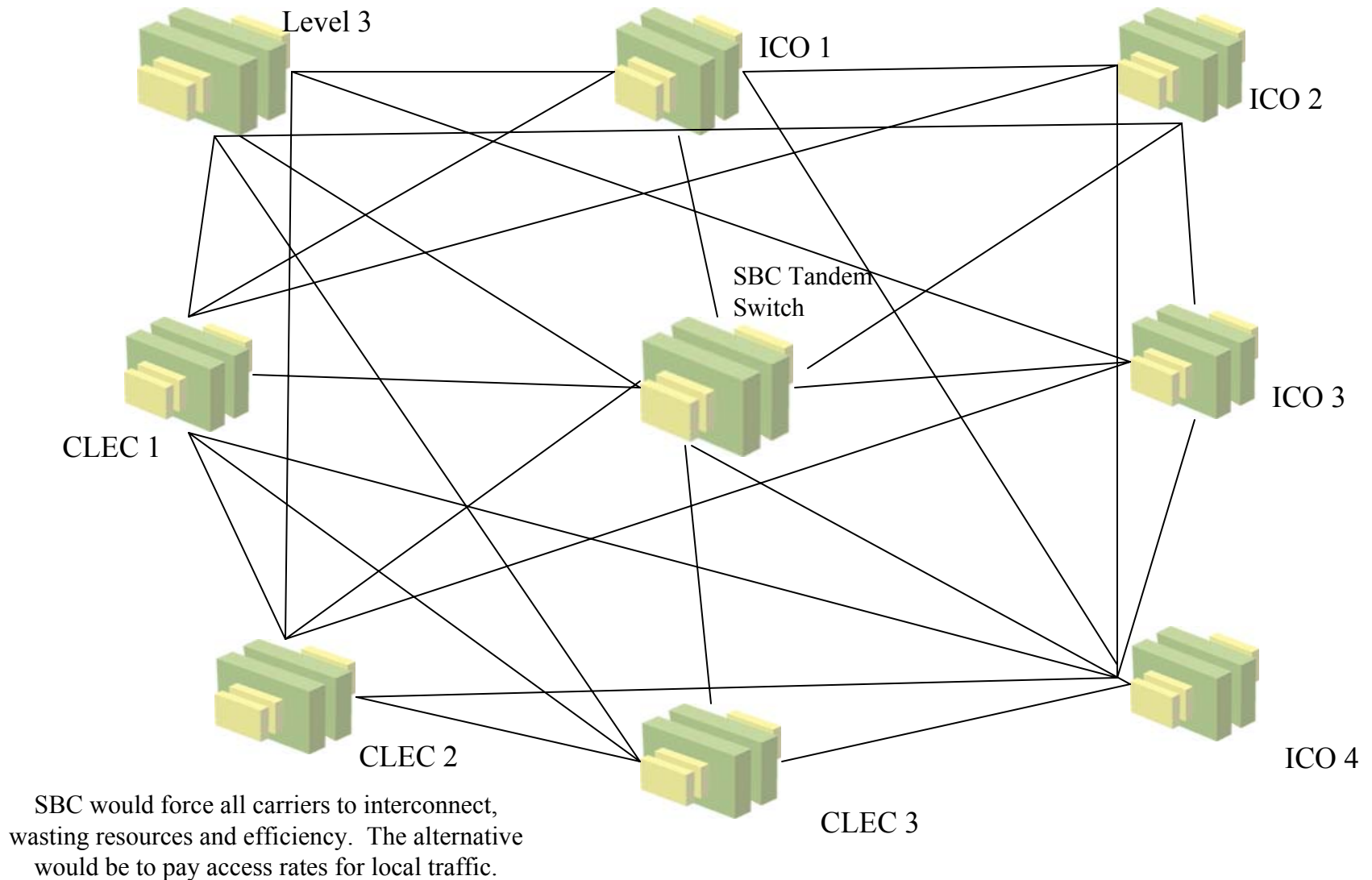
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Petition for Arbitration Pursuant to Section	:	
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Company (SBC Illinois).	:	

Exhibit ____ (Figure 8. SBC PROPOSED CONFIGURATION)

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Figure 8. SBC PROPOSED CONFIGURATION

(Single LATA)



STATE OF ILLINOIS
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Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 9. Level 3 Fiber Network)

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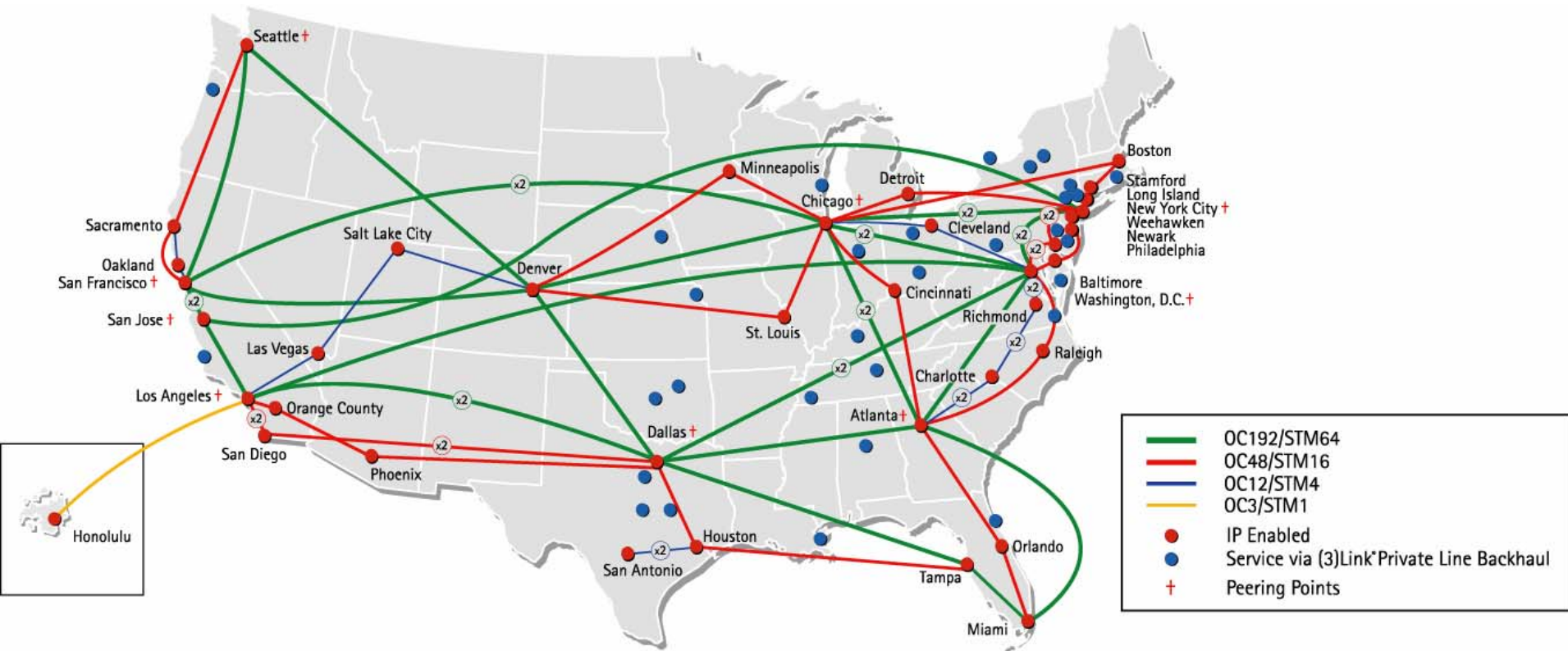
STATE OF ILLINOIS
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Level 3 Communications, L.L.C.	:	
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Petition for Arbitration Pursuant to Section	:	
252(b) of the Communications Act of 1934,	:	04-0428
as amended by the Telecommunications	:	
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Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 10. Level 3 IP Network)

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Figure 10. Level 3 IP Network



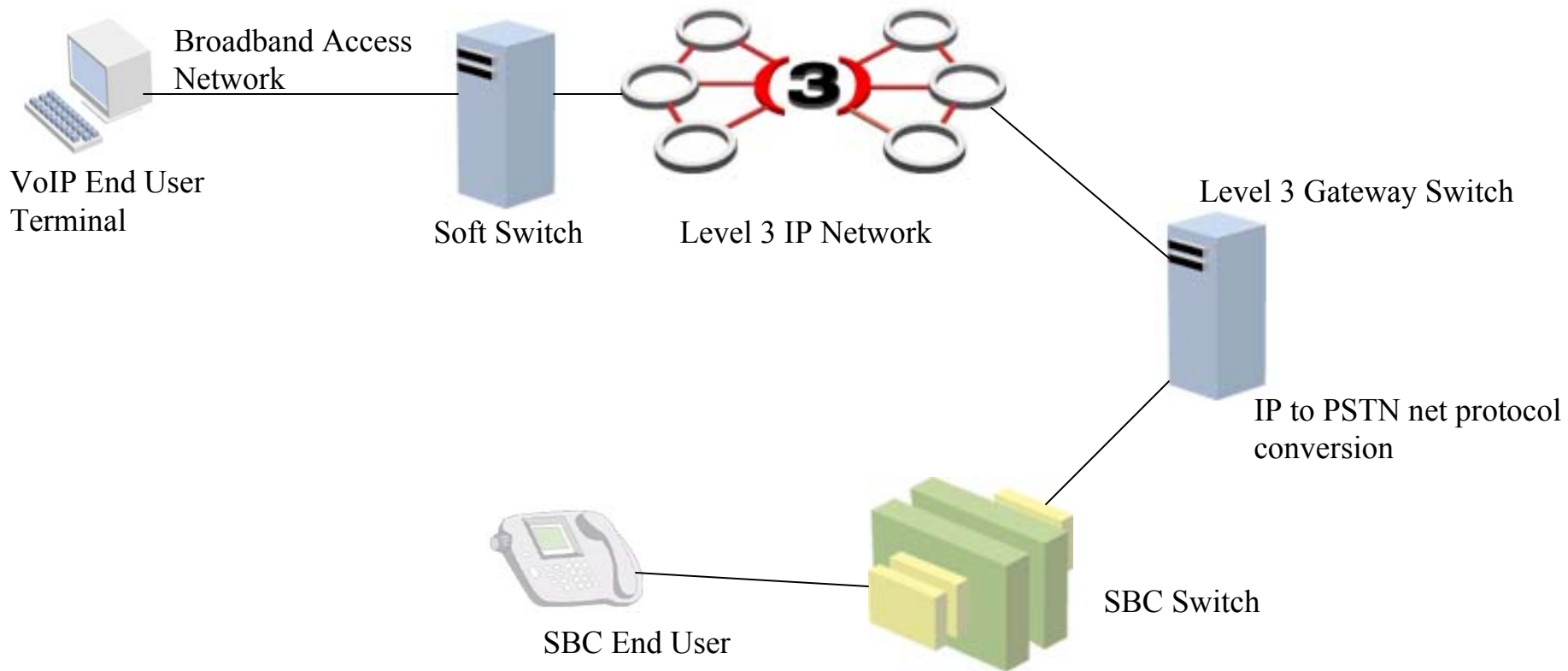
STATE OF ILLINOIS
BEFORE THE
ILLINOIS COMMERCE COMMISSION

Level 3 Communications, L.L.C.	:	
	:	
Petition for Arbitration Pursuant to Section	:	
252(b) of the Communications Act of 1934,	:	04-0428
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Act of 1996, and the Applicable State Laws	:	
for Rates, Terms, and Conditions of	:	
Interconnection with Illinois Bell Telephone	:	
Company (SBC Illinois).	:	

Exhibit ____ (Figure 11. VoIP CALL FLOW)

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Figure 11. VoIP CALL FLOW



VoIP terminals allow new features and functions and a host of data and network applications